

Datasheet for ABIN2780436
anti-Nkx2-2 antibody (N-Term)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	Nkx2-2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Dog, Guinea Pig, Horse, Sheep, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Nkx2-2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human NKX2-2
Sequence:	MSLTNKTGTF SVKDILDLPD TNDEEGSVAE GPEEENEGPE PAKRAGPLGQ
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 93%, Rat: 100%, Sheep: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against NKX2-2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Nkx2-2
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Target Details

Alternative Name:	NKX2-2 (Nkx2-2 Products)
Background:	<p>NKx2-2 contains 1 homeobox DNA-binding domain which is essential for interaction with OLIG2. Nkx2-2 may be involved in specifying diencephalic neuromeric boundaries, and in controlling the expression of genes that play a role in axonal guidance. The protein encoded by this gene contains a homeobox domain and may be involved in the morphogenesis of the central nervous system. This gene is found on chromosome 20 near NKX2-4, and these two genes appear to be duplicated on chromosome 14 in the form of TITF1 and NKX2-8. The encoded protein is likely to be a nuclear transcription factor.</p> <p>Alias Symbols: NKX2.2, NKX2B</p> <p>Protein Interaction Partner: Dlg4, SIN3A, HDAC1, OLIG2,</p> <p>Protein Size: 273</p>
Molecular Weight:	30 kDa
Gene ID:	4821
NCBI Accession:	NM_002509 , NP_002500
UniProt:	O95096
Pathways:	Dopaminergic Neurogenesis

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 273 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

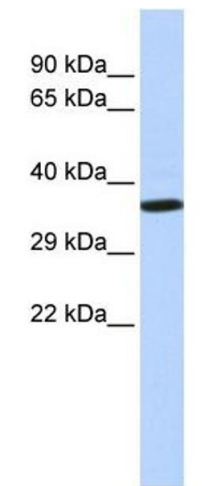
Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

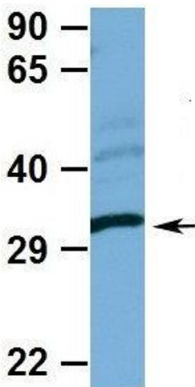
Publications

Product cited in:	Libby, Bales, Orlicky, McManaman: "Perilipin-2 Deletion Impairs Hepatic Lipid Accumulation by Interfering with Sterol Regulatory Element-binding Protein (SREBP) Activation and Altering the Hepatic Lipidome." in: The Journal of biological chemistry , Vol. 291, Issue 46, pp. 24231-24246 , (2016) (PubMed).
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Images



NKX2-2



Western Blotting

Image 1. WB Suggested Anti-NKX2-2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Human Placenta

Western Blotting

Image 2. Hum. Fetal Brain